

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 6410

TITLE: WELDER I

GRADE: S-16

DEFINITION:

Under supervision, performs a variety of skilled welding duties; and performs related work as required.

ILLUSTRATIVE DUTIES:

Welds and brazes metal to repair broken or cracked objects or to fabricate new parts and equipment;
Uses acetylene, electric and inert gas shielded welding processes;
Works with steel, aluminum, brass and cast iron;
Grinds and chips paint in preparation of re-painting roll-off boxes;
Plans and lays out the work, measures and cuts metal stock to size, cleans and assembles or positions work pieces, sets up and adjusts welding equipment, preheats, bead welding, tack welding, brazing, flame cutting, heat treating and chipping or grinding off excess weld slag or spatter;
Performs routine maintenance and repair on a variety of specialty equipment such as fork lifts, compactors, and loading packers;
Sharpens and re-conditions saws and cutting tools;
Repairs and replaces equipment parts such as fuel lines, radiators, belts, hydraulic hoses and electrical wiring;
Performs soldering;
Drives a vehicle to and from work locations and keeps vehicle supplied with tools and materials;
Operates snow removal equipment;
Performs operator maintenance on vehicle and keeps it in orderly condition;
Maintains records and prepares reports of work accomplished and materials used;
May supervise and instruct trades helpers.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of the equipment, materials, methods, practices and tools used in the welding trade;
Working knowledge of local, state and national codes;
Knowledge of the common hazards and necessary safety precautions;
Ability to use the tools, equipment and materials pertinent to the trade;
Ability to plan and perform work of the trade at the full journeyman level;
Ability to follow written and oral instructions, sketches, blueprints and manufacturers' manuals;
Ability to estimate time and material needs, determine when repair is not economically practical, and to perform routine clerical tasks and arithmetical computations;
Ability to maintain good interpersonal relationships;

EMPLOYMENT STANDARDS:

Any combination of education, experience and training equivalent to completion of the tenth grade, supplemented by (1) completion of an acceptable apprentice-level training program with some successful experience in performing journeyman-level work, or (2) varied and responsible journeyman-level experience in the welding trade; or which provides the required knowledge, skills and abilities.

CERTIFICATES AND LICENSES REQUIRED:

Possession of a valid state motor vehicle operator license.

REGRADED:

March 6, 2009

REFORMATTED/REVISED:

December 3, 2007

REVISED:

August 3, 1981